B1

(b) isolating the polypeptide from the culture.

13. (Amended) An isolated polypeptide comprising:

(a) the amino acid sequence as set forth in SEQ ID NO: 5; or

B2

(b) the amino acid sequence encoded by the DNA insert in ATCC Deposit No. PTA-1755.

14. (Amended) An isolated polypeptide comprising:

(a) the amino acid sequence as set forth in SEQ ID NO: 6, optionally further comprising an amino-terminal methionine;

(b) an amino acid sequence for an ortholog of SEQ ID NO: 5; or

(c) a fragment of the amino acid sequence set forth in SEQ ID NO: 5 comprising at least about 25 amino acid residues, wherein the fragment has an activity of the polypeptide set forth in SEQ ID NO: 5, or is antigenic.

B3

15. (Amended) An isolated polypeptide comprising the amino acid sequence as set forth in SEQ ID NO: 5 with at least one modification that is a conservative amino acid substitution, C-terminal truncation, or N-terminal truncation, wherein the polypeptide has an activity of the polypeptide set forth in SEQ ID NO: 5.

B4 B2

16. (Amended) An isolated polypeptide encoded by a nucleic acid molecule comprising:

(a) the nucleotide sequence as set forth in SEQ ID NO: 4;

(b) the nucleotide sequence of the DNA insert in ATCC Deposit No. PTA-1755; or

(c) a nucleotide sequence encoding the polypeptide as set forth in SEQ ID NO: 5;

wherein the polypeptide has an activity of the polypeptide set forth in SEQ ID NO: 5.

Please add the following claims:

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57. A polypeptide produced by a process comprising:

(a) culturing a host cell containing a vector comprising a nucleic acid molecule having a nucleotide sequence of a region of the nucleotide sequence of SEQ ID NO: 4 or a region of the nucleotide sequence of the DNA insert in ATCC Deposit No. PTA-1755, wherein the nucleic acid molecule encodes a polypeptide fragment of at least about 25 amino acid residues, and wherein the polypeptide fragment has an activity of the encoded polypeptide as set forth in SEQ ID NO: 5, under suitable conditions to express the polypeptide, and optionally,

(b) isolating the polypeptide from the culture.

58. A polypeptide produced by a process comprising:

B4

(a) culturing a host cell containing a vector comprising a nucleic acid molecule having a nucleotide sequence encoding a polypeptide having the amino acid sequence as set forth in SEQ ID NO: 5 with at least one modification that is a conservative amino acid substitution, C-terminal truncation, or N-terminal truncation, wherein the polypeptide has an activity of the polypeptide set forth in SEQ ID NO: 5, under suitable conditions to express the polypeptide, and optionally

And D3

(b) isolating the polypeptide from the culture.

59. The polypeptide of any of Claims 9, 57, or 58, wherein the host cell is a eukaryotic cell.

60. The polypeptide of any of Claims 9, 57, or 58, wherein the host cell is a prokaryotic cell.

61. An isolated polypeptide encoded by a nucleic acid molecule comprising a nucleotide sequence of a region of the nucleotide sequence of SEQ ID NO: 4 or a region of the nucleotide sequence of the DNA insert in ATCC Deposit No. PTA-1755, wherein the nucleic acid molecule encodes a polypeptide fragment of at least about 25 amino acid residues, and wherein the polypeptide fragment has an activity of the encoded polypeptide as set forth in SEQ ID NO: 5.

And D4

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